DOCUMENT RESUME

ED 315 886 EA 021 618

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TITLE Key Statistics for Public Elementary and Secondary Education: School Year 1989-90. Early Estimates. Survey Report.
INSTITUTION National Center for Education Statistics (ED), Washington, DC.
REPORT NO NCES-90-032
PUB DATE 89
NOTE 14p.; Data Series: DR-CCD-89/90-7.1.
PUB TYPE Statistical Data (110)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS Educational Finance; *Educational Trends; Elementary School Teachers; Elementary Secondary Education; Enrollment; Enrollment Projections; Expenditure per Student; Government Publications; High School Graduates; National Surveys; *Public Schools; School District Spending; School Funds; *School Statistics; School Surveys; Secondary School Teachers; Tables (Data); Teacher Student Ratio

ABSTRACT

The estimates in this publication are key statistics reported early in the school year and include the number of students in membership, teachers, and high school graduates and the total revenues and expenditures for the operation of public elementary and secondary schools. These estimates are either preliminary actual counts for individual states, estimates derived by the states for the National Center for Education Statistics (NCES), or imputed values developed by NCES using a combination of state-specific and national data. Early estimates for private schools are included in this report. The highlights of the report include the following estimates for the 1989-90 school year: (1) total student membership in all the Nation's Schools (public and private) is estimated to be 46 million students; (2) 2.7 million students will graduate from high school (3) there are 2.4 public school teachers and (4) the cost of public education is $4,448 per student. (AA)

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NATIONAL CENTER FOR EDUCATION STATISTICS

Survey Report **December 1989**

Early Estimates

Key Statistics for Public Elementary and Secondary Education: School Year 1989–90

Frank H. Johnson
Elementary and Secondary Education Statistics Division

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DR–CCD–89/90–7.1

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EA021618

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December 1989

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The estimates in this publication are key statistics reported early in the school year and include the number of students in membership, teachers, and high school graduates, and total revenues and expenditures for the operation of public elementary and secondary schools. These estimates include three kinds of data: preliminary actual counts for individual States, estimates derived by the States for the National Center for Education Statistics (NCES), or imputed values developed by NCES using a combination of State-specific and national data. Early estimates for private schools are included in this report.

Highlights

- Total student membership in all the Nation's schools (both public and private) is estimated to be 46.0 million students for the 1989-90 school year, and an estimated 2.7 million students will graduate from high school. It is estimated that there are 2.7 million teachers in the public and private schools in this school year (1989-90).

- There are approximately 40.6 million students enrolled in the Nation's public elementary and secondary schools this fall (October 1989) compared with 40.2 million a year ago. Student membership has increased by over half a million since fall 1987.

- Public school students are being taught by an estimated 2.4 million school teachers in this school year (1989-90.)

- High school graduates of the Nation's public schools totaled an estimated 2.5 million for the 1988-89 school year, and it is estimated that approximately 2.4 million students will graduate in school year 1989-90. From spring 1988 to spring 1990, high school graduates are anticipated to increase in 10 States, and to decrease in 41 States.

- Revenues for public elementary and secondary education in fiscal year 1989 are estimated to be $181.8 billion, and they are expected to rise to approximately $195.2 billion in fiscal year 1990. This would represent an increase of 15.0 percent over the 2-year period from fiscal year 1988 to fiscal year 1990.

- Total current expenditures for public elementary and secondary education in fiscal year 1989 are estimated to be $168.6 billion, and they are expected to rise to approximately $180.6 billion in fiscal year 1990.

- The cost of public education is estimated to be $4,448 per student in membership for the 1989-90 school year.

The Early Estimate System

The primary source of basic statistical information about public elementary and secondary education is the Common Core of Data (CCD), data collected annually by NCES from State education agencies. These data are reported to NCES in March, undergo NCES and State editing, and are available for publication in September--a full year after the beginning of the school year. High school graduate and fiscal data are reported a year later than the student and teacher data.

The Early Estimates System is designed to allow NCES to report selected key statistics early in the school year. NCES is continuing to examine and evaluate various methodologies to obtain better estimates and improve the data collection system for public elementary and secondary education.

Forty-eight States and the District of Columbia participated in the survey. Estimates reported here were provided to NCES by State education agencies and represent the best information available to States at this early stage of the school year. They are, however, subject to revision.

Estimates for private schools are based on a national probability sample of private schools surveyed in the fall of 1989 (see Key Statistics for Private Elementary and Secondary Education: School Year 1989-90," Early Estimates, publication number NCES90-026).

Methodology

Early in November 1989, a survey form was sent to each State education agency requesting its cooperation and specifying when NCES would collect the data by telephone. States were contacted beginning the week of November 7 and State estimates were received through December 19. Data collected by telephone were checked for reasonableness against prior years' data. Followup calls were made to resolve questions about the data.

Missing values for membership were imputed by multiplying membership data from the 1988-89 school year by one plus the rate of growth experienced by membership from 1987-88 to 1988-89.

Missing values for other data elements were imputed by State, using ratios of the missing quantity to the student membership value, and then adjusting this number by the national average percent change from the previous year for this element. For example, the procedure for imputing number of teachers in the 1989-90 school year involved: (1) calculating the teacher-to-student ratio in the given State in 1988-89, (2) calculating the total growth rate in teacher-to-student ratios for reporting States from 1988-89 to 1989-90, and (3) multiplying the State student membership for the 1989-90 school year by the ratio calculated in step 1, and then multiplying this product by the growth rate calculated in step 2. Equivalent procedures were used for imputing numbers of high school graduates, revenues, and

current expenditures. When a national total includes imputed State values, that national total is reported as an imputed number.

Accuracy of Last Year's Estimates

Past year's data provide an indication of the differences between early estimates and final data. The early estimate of membership for fall 1988 was 40,196,263, which represented an increase of 0.43 percent from the fall 1987 value. The actual increase, based on the final count of 40,191,397 was 0.42 percent. Last year's estimate indicated that there were 2,296,181 teachers for 1988-89, implying an increase of 0.76 percent over the previous year. Actual increase of teachers over that year was 1.63 percent. For number of graduates, the estimated increase from 1986-87 to 1987-88 was 2.45 percent, while the actual increase was 2.61 percent. Revenues were estimated to increase 5.86 percent from 1986-87 to 1987-88, while the actual increase was 6.82 percent. The estimated increase in current expenditures, from 1986-87 to 1987-88, was 6.79 percent, as compared with an actual increase of 7.25 percent. The same methodology used for estimating these data last year was used in generating the estimates contained in this report.

Definitions

Membership is the unduplicated count of students on the roll of the school or local education agency on the school day closest to October 1; students who withdrew from school have been removed from the count. Membership includes all students prekindergarten through grade 12.

Teachers are professional staff who provide instruction to students and maintain daily student attendance figures for a group or class at any of the levels from prekindergarten through grade 12. (Numbers of private school teachers include instructors for grades kindergarten through grade 12 only.) Teacher numbers are reported in full-time equivalents (FTE). FTE are computed by dividing the amount of time employed in instruction by the time normally required of a full-time position.

Pupil/teacher ratio is the number of students divided by the number of teachers in a State. The number reported here represents an average across all levels. There is, however, variability across elementary and secondary grade levels and across programs such as special education, and gifted and talented.

Graduates reported in this paper are regular diploma recipients.

Revenues are defined as additions to assets which do not incur an obligation that must be met at some future date, do not represent exchanges of fixed assets, and are available for expenditure by the local education agencies in the State.

Revenues include funds from local, intermediate, State, and Federal sources.

Current expenditures are funds spent for operating local public schools and include such items as salaries for school personnel, fixed charges, student transportation, school books and materials, and energy costs, but exclude capital outlay and interest on school debt.

Per pupil expenditure (or per pupil revenue) is the total current expenditure (or revenue) for public elementary and secondary education in a State divided by the student membership. The numbers reported here, based on membership, can be expected to be smaller than per pupil expenditures (and per pupil revenues) based on average daily attendance, because the membership counts are generally larger than average daily attendance.

Acknowledgments

The author would like to thank all of the people in the State education agencies who supplied the data for this publication. This paper would not have been possible without their contributions. The author also acknowledges the comments and suggestions of the following reviewers: Barbara Clements of the Council of Chief State School Officers, Jerry Devlin of Information Services (U.S. Department of Education), and Susan Ahmed, Robert Burton, John Gugel, Lee Hoffman, and Tom Snyder of NCES.

Table 1.--Early estimates of key statistics for public and private schools: United States, school year 1989-90

	Students	Teachers	Graduates	
			1988-89	1989-90
All schools	45,963,096	2,737,252	2,819,933	2,679,919
Public schools	40,608,342	2,359,941	2,495,965	2,398,689
Private schools*	5,354,754	**377,311	323,968	281,230

*Derived from "Key Statistics for Private Elementary and Secondary Education: School Year 1989-90," Early Estimates, publication number NCES90-026.
**Private school teachers of grades kindergarten through 12. All student counts and public school teachers are for prekindergarten through 12.
NOTE: Estimates for private schools are based on a sample survey conducted in October 1989.

Table 2.--Membership in public elementary and secondary schools, by State: Fall 1985 to fall 1989

State	Actual fall 1985	Actual fall 1986	Actual fall 1987	Actual fall 1988	Estimated fall 1989
Total	39,508,625	39,837,459	40,024,244	40,191,397	*40,608,342
Alabama	730,460	733,735	729,934	724,751	**728,254
Alaska	107,345	107,973	105,678	106,481	**109,028
Arizona	548,252	534,538	572,421	574,890	**597,101
Arkansas	433,410	437,438	437,036	436,387	**449,106
California	4,255,554	4,377,989	4,489,322	4,618,120	5,079,934
Colorado	550,642	558,415	560,236	560,081	**526,686
Connecticut	462,026	468,847	465,465	463,488	**463,800
Delaware	92,901	94,410	95,659	96,678	**97,808
District of Columbia	87,092	85,612	86,435	84,792	88,000
Florida	1,562,283	1,607,320	1,664,774	1,720,930	1,772,558
Georgia	1,079,594	1,096,425	1,110,947	1,107,994	**1,126,111
Hawaii	164,169	164,640	166,160	167,488	**169,193
Idaho	208,669	208,391	212,444	214,615	**212,550
Illinois	1,826,478	1,825,185	1,811,446	1,794,916	1,745,985
Indiana	966,106	966,780	964,129	960,994	958,350
Iowa	485,332	481,286	480,826	478,200	**478,734
Kansas	410,229	416,091	421,112	426,596	430,862
Kentucky	643,833	642,778	642,696	637,627	**630,688
Louisiana	788,349	795,188	793,093	786,683	**780,183
Maine	206,101	211,752	211,817	212,902	**213,386
Maryland	671,560	675,747	683,797	688,947	**698,806
Massachusetts	844,330	833,918	825,320	823,428	818,347
Michigan	1,689,828	1,681,880	1,606,344	1,582,785	1,500,000
Minnesota	705,140	711,134	721,481	726,950	692,100
Mississippi	471,195	498,639	505,550	503,326	**501,772
Missouri	795,107	800,606	802,060	806,639	**807,934
Montana	153,869	153,327	152,207	152,191	**150,593
Nebraska	265,819	267,139	268,100	269,434	**270,389
Nevada	154,948	161,239	168,353	176,474	**186,834
New Hampshire	160,974	163,717	166,045	169,413	**167,386
New Jersey	1,116,194	1,107,467	1,092,982	1,080,871	**1,076,005
New Mexico	277,551	281,943	287,229	292,198	**284,438
New York	2,621,378	2,607,719	2,594,070	2,573,715	2,572,500
North Carolina	1,086,165	1,085,248	1,085,976	1,083,156	**1,078,153
North Dakota	118,570	118,703	119,004	118,809	**117,134
Ohio	1,793,965	1,793,508	1,793,411	1,778,544	**1,765,300
Oklahoma	592,327	593,183	584,212	580,426	580,000
Oregon	447,527	449,307	455,895	461,752	**472,394
Pennsylvania	1,683,221	1,674,161	1,668,542	1,659,714	1,654,480
Rhode Island	133,442	134,126	134,061	133,585	**135,035
South Carolina	606,643	611,629	614,921	615,774	**616,179
South Dakota	124,291	125,458	126,817	126,910	**127,115
Tennessee	813,753	818,073	823,783	821,580	**839,860
Texas	3,131,705	3,209,515	3,236,787	3,283,707	3,309,000
Utah	403,395	415,994	423,386	431,119	**435,762
Vermont	90,157	92,112	92,755	93,464	**94,470
Virginia	968,104	975,135	979,417	982,393	**985,749
Washington	749,706	761,428	775,755	790,918	**809,727
West Virginia	357,923	351,837	344,236	335,912	**328,069
Wisconsin	768,234	767,819	772,363	774,857	*777,359
Wyoming	102,779	100,955	98,455	97,793	*97,135

*Imputed by the National Center for Education Statistics (NCES).
**Actual fall 1989 count.
NOTE: All fall 1989 numbers are State estimates unless otherwise indicated by single or double asterisks. Estimates are reported as of December 1989.

Table 3.--Number of teachers in public elementary and secondary education by State: School years 1985-86 to 1989-90

State	Actual 1985-86	Actual 1986-87	Actual 1987-88	Actual 1988-89	Estimated 1989-90
Total	2,206,884	*2,243,370	*2,278,813	*2,315,929	*2,359,941
Alabama	36,138	36,971	37,716	38,845	**39,026
Alaska	6,814	6,448	6,113	6,272	6,482
Arizona	27,935	29,104	30,707	31,617	**32,993
Arkansas	24,767	24,944	25,572	27,730	**26,889
California	184,151	190,484	195,864	203,342	*216,432
Colorado	29,894	30,704	31,168	31,398	**31,600
Connecticut	32,903	34,252	35,050	35,502	35,900
Delaware	5,745	5,883	5,951	5,898	5,891
District of Columbia	6,137	5,984	6,232	6,394	6,674
Florida	88,973	91,969	95,857	100,370	104,084
Georgia	57,374	57,881	62,280	59,916	61,097
Hawaii	7,276	7,291	7,684	7,950	**8,103
Idaho	10,255	10,234	10,258	10,425	10,500
Illinois	102,657	104,609	105,217	105,097	*103,551
Indiana	51,976	52,896	53,749	54,029	54,625
Iowa	31,770	30,958	30,873	30,226	**29,890
Kansas	26,686	27,064	27,317	28,122	28,403
Kentucky	33,506	34,507	35,239	35,788	36,200
Louisiana	42,609	42,929	42,920	43,203	45,213
Maine	14,226	13,685	14,204	14,593	*14,815
Maryland	38,433	39,491	40,093	40,899	41,000
Massachusetts	56,845	58,066	59,517	60,068	**58,718
Michigan	82,193	83,130	80,081	79,847	84,250
Minnesota	41,314	40,957	42,132	42,750	43,750
Mississippi	26,102	26,219	--	27,283	*27,550
Missouri	48,170	48,902	49,632	50,693	51,000
Montana	9,705	9,818	9,659	9,626	**9,715
Nebraska	17,687	17,748	17,713	18,003	**18,339
Nevada	7,751	7,908	8,348	8,699	9,065
New Hampshire	10,104	10,300	10,363	10,442	10,817
New Jersey	74,236	75,558	78,335	79,698	81,092
New Mexico	14,781	14,876	15,175	15,770	15,399
New York	165,573	168,940	170,236	172,807	178,000
North Carolina	57,638	58,103	59,771	61,933	61,500
North Dakota	7,796	7,779	7,632	7,731	**6,803
Ohio	98,264	98,894	99,641	101,105	100,500
Oklahoma	35,752	35,041	34,515	35,116	35,000
Oregon	24,605	24,615	24,911	25,147	**25,657
Pennsylvania	101,665	102,993	103,307	104,379	104,100
Rhode Island	8,844	8,916	8,934	9,192	9,002
South Carolina	34,645	35,349	35,701	35,877	35,500
South Dakota	8,340	8,031	8,172	8,260	**8,185
Tennessee	40,023	41,103	42,082	42,657	43,000
Texas	181,051	185,310	187,159	--	200,000
Utah	17,126	17,752	17,124	17,590	18,384
Vermont	6,397	--	6,938	6,852	**6,950
Virginia	57,339	58,141	59,928	60,883	60,849
Washington	36,202	37,065	38,344	38,780	39,807
West Virginia	22,733	22,931	22,702	22,177	21,583
Wisconsin	46,482	47,039	47,721	48,541	*49,326
Wyoming	7,296	7,201	6,798	6,693	*6,734

--Data not available. National total includes imputation for missing data.
*Imputed by the National Center for Education Statistics (NCES).
**Actual fall 1989 count.

NOTE: All 1989-90 numbers are State estimates unless otherwise indicated by single or double asterisks. Estimates are reported as of December 1989.

Table 4.--Number of public high school graduates, by State: School years 1985-86 to 1989-90

State	Actual 1985-86	Actual 1986-87	Actual 1987-88	Estimated 1988-89	Estimated 1989-90
Total	*2,382,457	*2,433,018	2,496,628	*2,495,965	*2,398,689
Alabama	39,620	42,463	43,799	**43,437	41,354
Alaska	5,464	5,692	5,907	**5,644	5,746
Arizona	27,533	29,549	29,777	**31,688	32,140
Arkansas	26,227	27,101	27,776	**28,162	27,287
California	229,026	237,414	249,617	*266,422	*267,907
Colorado	32,621	34,200	35,977	**34,535	32,000
Connecticut	33,571	31,141	32,383	32,000	31,800
Delaware	5,791	5,895	5,963	**6,104	5,641
District of Columbia	3,875	3,842	3,882	**3,565	3,700
Florida	83,029	82,184	89,206	92,404	95,583
Georgia	59,082	60,018	61,765	**61,937	53,412
Hawaii	9,958	10,371	10,575	**10,551	9,956
Idaho	12,059	12,243	12,425	**13,370	14,000
Illinois	114,319	116,075	119,090	116,660	*108,594
Indiana	59,817	60,364	64,037	**64,861	60,816
Iowa	34,279	34,580	35,218	**35,461	36,180
Kansas	25,587	26,933	27,036	**27,025	25,676
Kentucky	37,288	36,948	39,484	**40,341	38,500
Louisiana	39,965	39,084	39,058	**38,442	37,826
Maine	13,006	13,692	13,808	**14,837	14,165
Maryland	46,700	46,107	47,175	**45,791	41,960
Massachusetts	--	61,010	55,940	54,147	49,668
Michigan	101,042	--	106,151	106,000	106,000
Minnesota	51,988	53,533	54,645	**52,623	48,200
Mississippi	25,134	26,201	27,896	26,835	27,849
Missouri	49,204	50,840	51,316	**51,968	49,200
Montana	9,761	10,073	10,311	**10,351	8,998
Nebraska	17,845	18,129	18,300	**19,612	*18,834
Nevada	8,784	--	9,404	9,407	9,736
New Hampshire	10,648	10,796	11,685	11,757	11,990
New Jersey	78,781	79,376	80,863	75,513	68,450
New Mexico	15,468	15,701	15,868	15,140	14,816
New York	162,165	163,765	165,379	154,600	143,900
North Carolina	65,865	65,421	67,836	**69,709	64,949
North Dakota	7,610	7,821	8,432	**8,072	7,701
Ohio	119,561	124,923	124,503	**125,931	127,800
Oklahoma	34,452	35,514	36,145	**36,773	36,200
Oregon	26,286	27,165	28,058	**26,903	25,200
Pennsylvania	122,871	121,219	124,376	118,200	109,850
Rhode Island	8,749	8,627	8,684	**8,558	7,833
South Carolina	34,500	36,000	36,300	36,900	34,000
South Dakota	7,870	8,074	8,415	**8,100	7,690
Tennessee	43,263	44,731	47,904	**47,610	46,300
Texas	161,150	168,430	171,436	**176,873	170,000
Utah	19,774	20,930	22,226	**23,016	22,181
Vermont	5,794	5,968	6,173	6,000	6,100
Virginia	63,113	65,008	65,688	**65,667	61,300
Washington	45,805	49,873	51,754	**49,425	46,026
West Virginia	21,870	22,401	22,406	**22,886	22,146
Wisconsin	58,340	56,872	58,428	*58,099	*55,777
Wyoming	5,587	5,933	6,148	*6,053	*5,753

--Data not available. National total includes imputation for missing data.
*Imputed by the National Center for Education Statistics (NCES).
**Actual count.
NOTE: All 1988-89 and 1989-90 numbers are State estimates unless otherwise indicated by single or double asterisks. Estimates are reported as of December 1989.

Table 5.--Revenues for public elementary and secondary education, by State: Fiscal years 1986 to 1990

(In thousands of dollars)

State	Actual 1985-86	Actual 1986-87	Actual 1987-88	Estimated 1988-89	Estimated 1989-90
Total	*$149,127,779	*$158,827,473	*$169,650,907	*$181,767,347	*$195,165,564
Alabama	1,986,491	2,070,639	2,171,704	2,366,600	2,367,000
Alaska	782,810	731,150	777,086	802,566	815,922
Arizona	2,007,020	2,106,564	2,361,006	**2,579,839	2,695,931
Arkansas	1,079,996	1,111,619	1,211,164	**1,071,315	*1,178,554
California	16,007,881	17,219,479	17,884,769	*20,447,279	*22,967,763
Colorado	2,267,016	2,395,723	2,529,889	2,702,693	2,796,511
Connecticut	2,277,099	2,606,381	2,890,957	3,170,000	3,290,000
Delaware	407,394	429,392	464,318	**482,181	506,290
District of Columbia	409,605	439,795	484,717	515,033	547,480
Florida	5,962,508	6,610,567	7,466,975	8,351,064	9,339,830
Georgia	3,366,707	3,708,383	3,715,388	3,879,808	4,070,682
Hawaii	590,739	592,815	623,136	**681,019	721,880
Idaho	486,636	544,525	580,432	**527,671	565,000
Illinois	5,729,776	6,025,415	6,452,386	*6,787,999	*7,058,193
Indiana	3,277,072	3,563,524	3,825,865	4,108,000	4,410,000
Iowa	1,702,969	1,846,332	1,958,184	2,067,804	2,152,791
Kansas	1,643,294	1,681,665	1,773,743	1,880,168	1,992,978
Kentucky	1,505,838	1,656,267	1,819,222	1,881,076	1,965,724
Louisiana	2,588,291	2,416,437	2,541,690	2,668,774	2,828,901
Maine	721,744	779,817	886,378	**989,782	1,103,607
Maryland	2,905,374	3,223,020	3,464,182	3,690,000	4,122,000
Massachusetts	3,775,554	4,103,291	4,485,247	**4,817,623	4,913,073
Michigan	6,892,074	7,242,874	7,650,004	8,135,084	8,777,045
Minnesota	2,886,042	3,101,661	3,298,933	3,464,000	3,741,000
Mississippi	996,395	1,076,279	1,135,053	1,267,611	1,333,534
Missouri	2,445,181	2,749,630	3,069,758	2,992,871	3,232,299
Montana	632,539	632,958	636,045	640,816	641,136
Nebraska	942,535	1,005,585	1,034,017	*1,103,280	*1,183,526
Nevada	494,762	595,821	660,290	746,808	794,749
New Hampshire	531,410	647,069	748,214	885,732	992,020
New Jersey	6,076,354	6,592,990	7,250,514	7,975,000	8,773,000
New Mexico	964,520	1,008,277	1,028,708	882,462	919,387
New York	14,682,429	15,757,034	17,094,990	18,219,000	19,572,000
North Carolina	3,223,445	3,473,998	3,789,548	4,108,850	4,396,477
North Dakota	425,481	421,752	433,358	440,940	452,900
Ohio	6,398,460	6,293,631	6,611,187	**7,250,000	7,600,000
Oklahoma	1,669,323	1,727,848	1,750,530	1,800,000	1,830,000
Oregon	1,763,012	1,863,501	1,942,303	2,165,000	2,330,700
Pennsylvania	7,730,882	8,259,284	8,781,585	9,396,296	10,054,037
Rhode Island	572,270	630,222	682,486	761,111	822,000
South Carolina	1,860,283	1,987,657	2,175,842	2,317,272	2,467,895
South Dakota	394,421	417,550	434,761	**442,996	470,594
Tennessee	1,898,880	2,063,971	2,233,442	*2,364,909	*2,584,204
Texas	11,345,065	11,900,931	12,612,869	13,210,000	13,902,000
Utah	1,113,449	1,153,356	1,183,399	1,016,274	1,280,453
Vermont	352,625	388,013	493,874	575,000	635,000
Virginia	--	--	---	*4,198,523	*4,503,322
Washington	2,935,529	3,118,233	3,218,732	**3,278,000	3,583,000
West Virginia	1,208,625	1,237,866	1,268,654	**1,278,002	1,189,005
Wisconsin	3,078,103	3,303,237	3,552,430	*3,783,801	*4,057,736
Wyoming	653,862	609,195	568,402	*599,416	*636,434

--Data not available.
*Imputed by the National Center for Education Statistics (NCES).
**Actual count.

NOTE: All 1988-89 and 1989-90 numbers are State estimates unless otherwise indicated by single or double asterisks. Estimates are reported as of December 1989.

Table 6.--Current expenditures for public elementary and secondary education, by State: Fiscal years 1986 to 1990

(In thousands of dollars)

State	Actual 1985-86	Actual 1986-87	Actual 1987-88	Estimated 1988-89	Estimated 1989-90
Total	$137,164,965	$146,589,146	$157,222,496	*$168,552,374	*$180,643,992
Alabama	1,761,154	1,775,997	1,873,390	2,155,400	2,200,000
Alaska	818,219	789,015	756,577	793,396	808,060
Arizona	1,649,832	1,836,908	2,002,395	**2,091,276	2,185,384
Arkansas	1,085,943	1,118,904	1,211,156	**990,994	*1,087,987
California	15,040,898	16,512,868	17,402,063	*19,900,846	*22,308,738
Colorado	2,018,579	2,129,964	2,297,110	2,598,039	2,744,309
Connecticut	2,144,094	2,414,708	2,748,567	2,990,000	3,110,000
Delaware	391,558	418,116	440,631	**455,965	478,763
District of Columbia	406,910	441,135	489,357	522,268	547,480
Florida	5,092,668	5,650,083	6,288,977	6,976,648	7,763,614
Georgia	2,979,980	3,451,882	3,549,038	3,339,961	3,502,136
Hawaii	575,456	576,749	608,264	**664,076	703,920
Idaho	492,092	513,011	532,274	**518,355	555,000
Illinois	6,066,390	6,463,564	6,923,298	*7,285,394	*7,560,057
Indiana	2,851,080	3,106,616	3,330,525	3,571,000	3,828,000
Iowa	1,644,359	1,725,428	1,859,173	2,045,456	2,129,524
Kansas	1,423,225	1,486,814	1,568,041	1,662,123	1,761,851
Kentucky	1,434,962	1,583,158	1,741,799	1,801,020	1,882,066
Louisiana	2,333,748	2,260,393	2,289,241	2,297,456	2,435,304
Maine	688,673	760,446	839,860	**913,634	1,018,702
Maryland	2,634,209	2,845,404	3,128,165	3,365,000	3,728,000
Massachusetts	3,403,505	3,744,131	4,098,062	**4,407,830	4,495,161
Michigan	6,184,767	6,427,556	6,913,261	7,181,738	7,648,551
Minnesota	2,637,722	2,818,390	2,981,209	3,069,000	3,315,000
Mississippi	1,058,301	1,112,535	1,221,560	1,277,253	1,342,869
Missouri	2,277,576	2,515,846	2,747,234	2,845,435	3,073,069
Montana	567,901	583,861	590,226	583,739	584,323
Nebraska	911,983	948,149	995,235	*1,062,191	*1,137,142
Nevada	495,147	513,014	555,272	632,381	681,492
New Hampshire	522,604	589,850	677,507	798,806	896,420
New Jersey	5,735,895	6,099,473	6,621,860	7,218,000	7,868,000
New Mexico	808,036	865,789	916,305	880,309	949,734
New York	13,686,039	14,724,687	16,073,392	17,198,000	18,402,000
North Carolina	2,991,747	3,193,337	3,424,194	3,585,665	3,861,762
North Dakota	379,470	374,941	385,427	380,337	387,145
Ohio	5,856,999	6,111,461	6,446,903	**6,900,000	7,250,000
Oklahoma	1,740,981	1,707,396	1,692,283	1,740,000	1,760,000
Oregon	1,662,372	1,747,125	1,944,657	2,077,000	2,217,200
Pennsylvania	6,750,520	7,176,886	7,679,986	8,217,585	8,792,816
Rhode Island	569,935	608,318	663,800	747,659	807,471
South Carolina	1,708,603	1,827,266	1,932,502	2,058,115	2,191,892
South Dakota	360,832	368,266	389,436	**439,553	465,091
Tennessee	1,990,889	2,167,026	2,352,183	*2,491,319	*2,716,828
Texas	9,642,812	10,152,521	10,791,854	11,631,000	12,299,000
Utah	906,484	932,740	974,666	1,002,007	1,096,242
Vermont	346,164	378,264	456,992	485,750	522,000
Virginia	3,183,707	3,444,952	3,793,475	**4,081,839	4,408,386
Washington	2,702,652	2,808,636	3,005,980	**3,349,000	3,641,000
West Virginia	1,164,882	1,229,089	1,231,966	**1,244,691	1,189,005
Wisconsin	2,893,797	3,086,878	3,318,247	*3,535,331	*3,783,605
Wyoming	488,616	489,825	466,921	*492,532	*521,892

*Imputed by the National Center for Education Statistics (NCES).
**Actual count.
NOTE: All 1988-89 and 1989-90 numbers are State estimates unless otherwise indicated by single or double asterisks. Estimates are reported as of December 1989.

Table 7.--Student membership and number of teachers, and estimates of pupil/teacher ratio, per pupil revenue, and per pupil expenditure for public elementary and secondary education, by State: School year 1988-89

State	Actual		Estimated				
	Membership	Number of teachers	Revenues (in thousands)	Current expenditures (in thousands)	Pupil/ teacher ratio	Per pupil revenue	Per pupil expenditure
Total	40,191,397	*2,315,929	*$181,767,347	*$168,552,374	*17.4	*$4,523	*$4,194
Alabama	724,751	38,845	2,366,600	2,155,400	18.7	3,265	2,974
Alaska	106,481	6,272	802,566	793,396	17.0	7,537	7,451
Arizona	574,890	31,617	**2,579,839	**2,091,276	18.2	4,488	3,638
Arkansas	436,387	27,730	**1,071,315	**990,994	15.7	2,455	2,271
California	4,618,120	203,342	*20,447,279	*19,900,846	22.7	*4,428	*4,309
Colorado	560,081	31,398	2,702,693	2,598,039	17.8	4,826	4,639
Connecticut	463,488	35,502	3,170,000	2,990,000	13.1	6,839	6,451
Delaware	96,678	5,898	**482,181	**455,965	16.4	4,987	4,716
District of Columbia	84,792	6,394	515,033	522,268	13.3	6,074	6,159
Florida	1,720,930	100,370	8,351,064	6,976,648	17.1	4,853	4,054
Georgia	1,107,994	59,916	3,879,808	3,339,961	18.5	3,502	3,014
Hawaii	167,488	7,950	**681,019	**664,076	21.1	4,066	3,965
Idaho	214,615	10,425	**527,671	**518,355	20.6	2,459	2,415
Illinois	1,794,916	105,097	*6,787,999	*7,285,394	17.1	*3,782	*4,059
Indiana	960,994	54,029	4,108,000	3,571,000	17.8	4,275	3,716
Iowa	478,200	30,226	2,067,804	2,045,456	15.8	4,324	4,277
Kansas	426,596	28,122	1,880,168	1,662,123	15.2	4,407	3,896
Kentucky	637,627	35,788	1,881,076	1,801,020	17.8	2,950	2,825
Louisiana	786,683	43,203	2,668,774	2,297,456	18.2	3,392	2,920
Maine	212,902	14,593	**989,782	**913,634	14.6	4,649	4,291
Maryland	688,947	40,899	3,690,000	3,365,000	16.8	5,356	4,884
Massachusetts	823,428	60,068	**4,817,623	**4,407,830	13.7	5,851	5,353
Michigan	1,582,785	79,847	8,135,084	7,181,738	19.8	5,140	4,537
Minnesota	726,950	42,750	3,464,000	3,069,000	17.0	4,765	4,222
Mississippi	503,326	*27,283	1,267,611	1,277,253	--	2,518	2,538
Missouri	806,639	50,693	2,992,871	2,845,435	15.9	3,710	3,528
Montana	152,191	9,626	640,816	583,739	15.8	4,211	3,836
Nebraska	269,434	18,003	*1,103,280	*1,062,191	15.0	*4,095	*3,942
Nevada	176,474	8,699	746,808	632,381	20.3	4,232	3,583
New Hampshire	169,413	10,442	885,732	798,806	16.2	5,228	4,715
New Jersey	1,080,871	79,698	7,975,000	7,218,000	13.6	7,378	6,678
New Mexico	292,198	15,770	882,462	880,309	18.5	3,020	3,013
New York	2,573,715	172,807	18,219,000	17,198,000	14.9	7,079	6,682
North CArolina	1,083,156	61,933	4,108,850	3,585,665	17.5	3,793	3,310
North Dakota	118,809	7,731	440,940	380,337	15.4	3,711	3,201
Ohio	1,778,544	101,105	**7,250,000	**6,900,000	17.6	4,076	3,880
Oklahoma	580,426	35,116	1,800,000	1,740,000	16.5	3,101	2,998
Oregon	461,752	25,147	2,165,000	2,077,000	18.4	4,689	4,498
Pennsylvania	1,659,714	104,379	9,396,296	8,217,585	15.9	5,661	4,951
Rhode Island	133,585	9,192	761,111	747,659	14.5	5,698	5,597
South Carolina	615,774	35,877	2,317,272	2,058,115	17.2	3,763	3,342
South Dakota	126,910	8,260	**442,996	**439,553	15.4	3,491	3,464
Tennessee	821,580	42,657	*2,364,909	*2,491,319	19.3	*2,878	*3,032
Texas	3,283,707	--	13,210,000	11,631,000	--	4,023	3,542
Utah	431,119	17,590	1,016,274	1,002,007	24.5	2,357	2,324
Vermont	93,464	6,852	575,000	485,750	13.6	6,152	5,197
Virginia	982,393	60,883	*4,198,523	**4,081,839	16.1	*4,274	4,155
Washington	790,918	38,780	**3,278,000	**3,349,000	20.4	4,145	4,234
West Virginia	335,912	22,177	**1,278,002	**1,244,691	15.1	3,805	3,705
Wisconsin	774,857	48,541	*3,783,801	*3,535,331	16.0	*4,883	*4,563
Wyoming	97,793	6,693	*599,416	*492,532	14.6	*6,129	*5,036

--Data not available. National total includes imputation for missing data.
*Imputed by the National Center for Education Statistics (NCES).
**Actual count.
NOTE: All numbers for revenues and expenditures are State estimates unless otherwise indicated by single or double asterisks. All numbers for membership and teachers are actual counts unless otherwise noted. Estimates for revenues and expenditures are reported as of December 1989.

Table 8.--Estimated pupil/teacher ratio, per pupil revenue, and per pupil expenditure for public elementary and secondary education, by State: School year 1989-90

State	Membership	Number of teachers	Revenues (in thousands)	Current expenditures (in thousands)	Pupil/ teacher ratio	Per pupil revenue	Per pupil expenditure
Total	*40,608,342	*2,359,941	*$195,165,564	*$180,643,992	*17.2	*$4,806	*$4,448
Alabama	**728,254	**39,026	2,367,000	2,200,000	18.7	3,250	3,021
Alaska	**109,028	6,482	815,922	808,060	16.8	7,484	7,411
Arizona	**597,101	**32,993	2,695,931	2,185,384	18.1	4,515	3,660
Arkansas	**449,106	**26,889	*1,178,554	*1,087,987	16.7	*2,624	*2,423
California	5,079,934	*216,432	*22,967,763	*22,308,738	*23.5	*4,521	*4,392
Colorado	**526,686	**31,600	2,796,511	2,744,309	16.7	5,310	5,211
Connecticut	**463,800	35,900	3,290,000	3,110,000	12.9	7,094	6,705
Delaware	**97,808	5,891	506,290	478,763	16.6	5,176	4,895
District of Columbia	88,000	6,674	547,480	547,480	13.2	6,221	6,221
Florida	1,772,558	104,084	9,339,830	7,763,614	17.0	5,269	4,380
Georgia	**1,126,111	61,097	4,070,682	3,502,136	18.4	3,615	3,110
Hawaii	**169,193	**8,103	721,880	703,920	20.9	4,267	4,160
Idaho	**212,550	10,500	565,000	555,000	20.2	2,658	2,611
Illinois	1,745,985	*103,551	*7,058,193	*7,560,057	*16.9	*4,043	*4,330
Indiana	958,350	54,625	4,410,000	3,828,000	17.5	4,602	3,994
Iowa	**478,734	**29,890	2,152,791	2,129,524	16.0	4,497	4,448
Kansas	430,862	28,403	1,992,978	1,761,851	15.2	4,626	4,089
Kentucky	**630,688	36,200	1,965,724	1,882,066	17.4	3,117	2,984
Louisiana	**780,183	45,213	2,828,901	2,435,304	17.3	3,626	3,121
Maine	**213,386	*14,815	1,103,607	1,018,702	*14.4	5,172	4,774
Maryland	**698,806	41,000	4,122,000	3,728,000	17.0	5,899	5,335
Massachusetts	818,347	**58,718	4,913,073	4,495,161	13.9	6,004	5,493
Michigan	1,500,000	84,250	8,777,045	7,648,551	17.8	5,851	5,099
Minnesota	692,100	43,750	3,741,000	3,315,000	15.8	5,405	4,790
Mississippi	**501,772	*27,550	1,333,534	1,342,869	*18.2	2,658	2,676
Missouri	**807,934	51,000	3,232,299	3,073,069	15.8	4,001	3,804
Montana	**150,593	**9,715	641,136	584,323	15.5	4,257	3,880
Nebraska	**270,389	**18,339	*1,183,526	*1,137,142	14.7	*4,377	*4,206
Nevada	**186,834	9,065	794,749	681,492	20.6	4,254	3,648
New Hampshire	**167,386	10,817	992,020	896,420	15.5	5,927	5,355
New Jersey	**1,076,005	81,092	8,773,000	7,868,000	13.3	8,153	7,312
New Mexico	**284,438	15,399	919,387	949,734	18.5	3,232	3,339
New York	2,572,500	178,000	19,572,000	18,402,000	14.5	7,608	7,153
North Carolina	**1,078,153	61,500	4,396,477	3,861,762	17.5	4,078	3,582
North Dakota	**117,134	**6,803	452,900	387,145	17.2	3,867	3,305
Ohio	**1,765,300	100,500	7,600,000	7,250,000	17.6	4,305	4,107
Oklahoma	580,000	35,000	1,830,000	1,760,000	16.6	3,155	3,034
Oregon	**472,394	**25,657	2,330,700	2,217,200	18.4	4,934	4,694
Pennsylvania	1,654,480	104,100	10,054,037	8,792,816	15.9	6,077	5,315
Rhode Island	**135,035	9,002	822,000	807,471	15.0	6,087	5,980
South Carolina	**616,179	35,500	2,467,895	2,191,892	17.4	4,005	3,557
South Dakota	**127,115	**8,185	470,594	465,091	15.5	3,702	3,659
Tennessee	**839,860	43,000	*2,584,204	*2,716,828	19.5	*3,077	*3,235
Texas	3,309,000	200,000	13,902,000	12,299,000	16.5	4,201	3,717
Utah	**435,762	18,384	1,280,453	1,096,242	23.7	2,938	2,516
Vermont	**94,470	**6,950	635,000	522,000	13.6	6,722	5,526
Virginia	**985,749	60,849	*4,503,322	4,408,386	16.2	*4,568	4,472
Washington	**809,727	39,807	3,583,000	3,641,000	20.3	4,425	4,497
West Virginia	**328,069	21,583	1,189,005	1,189,005	15.2	3,624	3,624
Wisconsin	*777,359	*49,326	*4,057,736	*3,783,605	*15.8	*5,220	*4,867
Wyoming	*97,135	*6,734	*636,434	*521,892	*14.4	*6,552	*5,373

*Imputed by the National Center for Education Statistics (NCES).
**Actual count.
NOTE: All numbers for revenues and expenditures are State estimates unless otherwise indicated by single or double asterisks. All numbers for membership and teachers are actual counts unless otherwise noted. Estimates for revenues and expenditures are reported as of December 1989.